What is claimed is:

1. A method for modeling an electronic components assembly system, the method comprising:

representing equipment having specific operating parameters in a proposed line configuration;

for each piece of equipment in the proposed line configuration, associating values for the specific operating parameters;

building a simulation; running the simulation; and generating a report for the simulation.

- 2. The method according to claim 1, wherein the step of building the simulation further comprises building simulation objects from templates.
- 3. The method of claim 2, wherein the templates are completed with values for specific operating parameters.
- 4. The method of claim 3, further comprising the step of customizing the simulation report.
- 5. The method according to claim 1, wherein the steps of representing the equipment having specific operating parameters in a proposed line configuration, associating values for the specific operating parameters for each piece of equipment in the proposed line configuration, and building a simulation are performed within approximately thirty minutes.
- 6. A method for configuring an electronics assembly system, comprising the steps of:
- a. generating a model of an assembly system having a first configuration;
 - b. selecting a measure of performance for the assembly system;

- c. selecting a criterion for the evaluation of the measured performance of the assembly system;
- d. running the model to generate a performance measure for the system having the first configuration:
- e. testing whether the measure of performance satisfies the criterion; and
- f. if in the test of step d the criterion is not satisfied, modifying the configuration.
- 7. The method according to claim 6, wherein the model is generated within approximately one half hour.
- 8. The method according to claim 6, wherein the performance measure is a cost of ownership of the electronics assembly system.
- 9. The method according to claim 8, wherein the criterion is a value for the cost of ownership of the electronics assembly system.
- 10. The method according to claim 6, wherein the model represents the assembly system at the material flow level of abstraction.
- 11. The method according to claim 6, wherein the step of generating the model comprises the steps of:

selecting components from a set of such components that have been at least partially modeled in advance and;

entering values corresponding to the selected, at least partially modeled components,

wherein the selected components and entered values serve as the basis for a simulation of the system.

12. The method according to claim 6, wherein the model is generated using a spreadsheet program in combination with a simulation program.

- 13. The method of claim 6, in which information relating to at least one method step is transmitted over a network.
- 14. A computer system configured to model an electronic component assembly line, comprising:

a means for selecting, from a predetermined list, specific equipment for a proposed line configuration, the specific equipment having operating parameters;

a means for associating predetermined values with the operating parameters;

a means for performing a simulation; and a report generating means.

- 15. The computer system of claim 14, wherein the means for selecting specific line configuration for a proposed line is a spreadsheet.
- 16. The computer system of claim 15, wherein the means for associating a predetermined values with the operating parameters is a macro that copies values for the operating parameters from a database.
- 17. The computer system of claim 16, wherein the database is a second spreadsheet.
- 18. The computer system of claim 17, wherein the means for performing a simulation is discrete event simulation software.
- 19. The computer system of claim 18, wherein the report generating means is a third spreadsheet.
- 20. The computer system of claim 19, wherein the third spreadsheet contains user selectable inputs for generating custom reports.

- 21. A method for assembling an electronic apparatus, comprising:
- a. creating an electronics assembly system configuration by:
 - i. selecting assembly system components using customer benefit modeling approach,
 - ii. purchasing the components, and
 - iii. installing the components;
- b. selecting settings of electronics assembly system parameters using a customer benefit modeling approach;
 - c. imposing those settings on the electronics assembly system; and
- d. running the electronics assembly system to produce the electronic apparatus.
- 22. The method according to claim 21, wherein the customer benefit modeling approach comprises generating a model of the electronics assembly system having a given configuration, predicting a performance measure for the electronics assembly system having the given configuration using the model, comparing the predicted performance measure against a criterion to determine if the criterion is met by the predicted performance, and, if the predicted performance does not meet the criterion, modifying the configuration of the electronics assembly system.
- 23. The method according to claim 22, wherein the model represents the assembly system at the material flow level of abstraction.
- 24. The method according to claim 22, wherein the model comprises a spreadsheet component and a simulation model component.